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01/15/2002

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#### 1 Lightweight remote procedure call


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 Brian N. Bershad , Thomas E. Anderson , Edward D. Lazowska , Henry M. Levy  
**ACM Transactions on Computer Systems (TOCS)** February 1990  
 Volume 8 Issue 1

Lightweight Remote Procedure Call (LRPC) is a communication facility designed and optimized for communication between protection domains on the same machine. In contemporary small-kernel operating systems, existing RPC systems incur an unnecessarily high cost when used for the type of communication that predominates between protection domains on the same machine. This cost leads system designers to coalesce weakly related subsystems into the same protection domain, trading safety for ...

#### 2 Lightweight remote procedure call

18%

 B. Bershad , T. Anderson , E. Lazowska , H. Levy  
**ACM SIGOPS Operating Systems Review , Proceedings of the Twelfth ACM symposium on Operating systems principles** November 1989  
 Volume 23 Issue 5

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#### 3 Better exploration of region-level value locality with integrated computation reuse and value prediction

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 Youfeng Wu , Dong-Yuan Chen , Jesse Fang  
**the 28th annual international symposium on Computer architecture** June 2001

#### 4 Lx

1%

 Paolo Faraboschi , Geoffrey Brown , Joseph A. Fisher , Giuseppe Desoli , Fred Homewood  
**ACM SIGARCH Computer Architecture News , Proceedings of the 27th annual international symposium on Computer architecture** May 2000  
 Volume 28 Issue 2

Lx is a scalable and customizable VLIW processor technology platform designed by Hewlett-Packard and STMicroelectronics that allows variations in instruction issue width, the number and capabilities of structures and the processor instruction set. For Lx we developed the architecture and software from the beginning to support both scalability (variable numbers of identical processing resources) and customizability (special purpose resources). In this paper we consider the followi ...

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